AMENDMENTS TO THE CLAIMS

This listing of claims, if entered, replaces all prior versions of claims in the present Application.

1.   **(Currently Amended)**   A computer-implemented method comprising:

synchronizing inventory transaction information ~~of~~ <u>within</u> a computerized

inventory management system ~~comprising a source computerized~~

~~inventory management system executing on a first computer and a~~

~~target computerized inventory management system executing on a~~

~~second computer~~, wherein

<u>the computerized inventory management system comprises</u>

<u>a plurality of inventory systems, and</u>

<u>an integration server,</u>

<u>the inventory systems are coupled to the integration server,</u>

said synchronizing is bidirectional, and

said synchronizing comprises

extracting inventory transaction information in a source format

~~that is associated with the source computerized~~

~~inventory management system,~~ <u>wherein</u>

<u>the source format is associated with a source inventory</u>

<u>system, and</u>

<u>the source inventory system is one of the inventory</u>

<u>systems;</u>

converting**, at the integration server,** the inventory transaction

information in the source format into inventory transaction

information ~~that is~~ in an intermediate format; and

converting**, at the integration server,** the inventory transaction

information in the intermediate format into inventory

transaction information in a target format ~~that corresponds~~

~~to the target computerized inventory management~~

~~system,~~ <u>wherein</u>

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> **the target format corresponds to a target inventory**
>
> **system, and**
>
> **the target inventory system is another of the inventory**
>
> **systems.**

2.   **(Currently Amended)**   The computer-implemented method of Claim 1, further comprising:

using the inventory transaction information in the target format to perform at least

one computer-implemented act from a set of computer-implemented acts

comprising:

creating a new inventory transaction record in the target ~~computerized~~

inventory ~~management~~ system; and

updating an existing inventory transaction record in the target ~~computerized~~

inventory ~~management~~ system.

3.   **(Currently Amended)**   The computer-implemented method of Claim 1, further comprising:

extracting inventory transaction information in a second source format that is

associated with a second source ~~computerized~~ inventory ~~management~~

system that is distinct from the source ~~computerized~~ inventory ~~management~~

system, **wherein**

the second source inventory system is another of the inventory systems;

converting the inventory transaction information in the second source format into

inventory transaction information that is in the intermediate format;

converting the inventory transaction information in the intermediate format into

inventory transaction information in the target format; and

using the inventory transaction information in the target format to perform at least

one computer-implemented act from a set of computer-implemented acts

comprising:

creating a new inventory transaction record in the target ~~computerized~~

inventory ~~management~~ system; and

updating an existing inventory transaction record in the target ~~computerized~~

inventory ~~management~~ system.

4.   (Previously Presented)   The computer-implemented method of Claim 1, wherein the intermediate format comprises a list of inventory transactions class with a hierarchy of data elements, wherein the hierarchy of data elements comprises a plurality of inventory transaction elements which comprise other elements.

5.   **(Currently Amended)**   The computer-implemented method of Claim 4, wherein each of the plurality of inventory transaction elements comprises:

an inventory transaction identifier;

a base data element for defining:

a transaction comments element;

a transaction date;

a transaction quantity of items;

a transaction time;

a transaction type code; and

a transaction unit of measure code;

a list of identifier data element for defining identifier data that is specific to a product or item[[.]];

a location data element for defining a destination location data element and a source location data element;

a related product element for defining a product or item identifier;

a related document data element for defining a related purchase order element; and

a custom data element for defining customized attributes for the inventory transaction information.

6.   (Previously Presented)   The computer-implemented method of Claim 5, wherein:

the identifier data element comprises a product serial number or an item serial number;

the destination location data element comprises a destination bucket code element and a destination inventory location identifier element;

the source location data element comprises a source bucket code element and a source

inventory location identifier; and

the related purchase order element comprises a purchase order element for defining

purchase-order-type elements that comprise:

a common object row identifier element;

a purchase order base data element wherein the purchase order base data

element comprises a purchase order number;

a list of purchase order line item element, wherein the list of purchase order

line item element comprises a plurality of purchase order line items;

and

a purchase order custom data element.

7.   (Previously Presented)   The computer-implemented method of Claim 6,

wherein each of the plurality of purchase order line items comprises:

a purchase order line item number identifier element;

a purchase order line item base data element; and

a purchase order line item custom data element.

8.   (Previously Presented)   The computer-implemented method of Claim 7,

wherein the purchase order line item base data element comprises a purchase order

line item number.

9.   **(Currently Amended)**   A computer-readable medium carrying one or more

sequences of instructions for managing inventory, wherein execution of the one or

more sequences of instructions by one or more processors causes the one or more

processors to perform:

synchronizing inventory transaction information ~~of~~ <u>within</u> a computerized inventory

management system ~~comprising a source computerized inventory~~

~~management system executing on a first computer and a target~~

~~computerized inventory management system executing on a second~~

~~computer~~, wherein

<u>the computerized inventory management system comprises</u>

a plurality of inventory systems, and

an integration server,

the inventory systems are coupled to the integration server,

said synchronizing is bidirectional, and

said synchronizing comprises

extracting inventory transaction information in a source format ~~that is~~

~~associated with the source computerized inventory~~

~~management system,~~ wherein

the source format is associated with a source inventory

system, and

the source inventory system is one of the inventory systems;

converting, at the integration server, the inventory transaction

information in the source format into inventory transaction

information ~~that is~~ in an intermediate format; and

converting, at the integration server, the inventory transaction

information in the intermediate format into inventory

transaction information in a target format ~~that corresponds to~~

~~the target computerized inventory management system,~~

wherein

the target format corresponds to a target inventory system,

and

the target inventory system is another of the inventory

systems.

10. (Currently Amended)   The computer-readable medium of Claim 9, further
comprising:

using the inventory transaction information in the target format to perform at least

one computer-implemented act from a set of computer-implemented acts

comprising:

creating a new inventory transaction record in the target ~~computerized~~

inventory ~~management~~ system; and

updating an existing inventory transaction record in the target ~~computerized~~ inventory ~~management~~ system.

11.   **(Currently Amended)**   The computer-readable medium of Claim 9, further comprising:

extracting inventory transaction information in a second source format that is
    associated with a second source ~~computerized~~ inventory ~~management~~
    system that is distinct from the source ~~computerized~~ inventory ~~management~~
    system, **wherein**
        the second source inventory system is another of the inventory systems;
converting the inventory transaction information in the second source format into
    inventory transaction information that is in the intermediate format;
converting the inventory transaction information in the intermediate format into
    inventory transaction information in the target format; and
using the inventory transaction information in the target format to perform at least
    one computer-implemented act from a set of computer-implemented acts
    comprising:
        creating a new inventory transaction record in the target ~~computerized~~
            inventory ~~management~~ system; and
        updating an existing inventory transaction record in the target ~~computerized~~
            inventory ~~management~~ system.

12.   (Previously Presented)   The computer-readable medium of Claim 9, wherein the intermediate format comprises a list of inventory transactions class with a hierarchy of data elements.

13.   (Previously Presented)   The computer-readable medium of Claim 12, wherein the hierarchy of data elements comprises a plurality of inventory transaction elements which comprise other elements.

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14. (Previously Presented)   The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements comprises an inventory transaction identifier.

15. (Previously Presented)   The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements comprises a base data element for defining:

       a transaction comments element;

       a transaction date;

       a transaction quantity of items;

       a transaction time;

       a transaction type code; and

       a transaction unit of measure code.

16. (Previously Presented)   The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements comprises a list of identifier data element for defining identifier data that is specific to a product or item.

17. (Previously Presented)   The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements comprises a location data element for defining a destination location data element and a source location data element.

18. (Previously Presented)   The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements comprises a related product element for defining a product or item identifier.

19. (Previously Presented)   The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements comprises a related document data element for defining a related purchase order element.

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20.   (Previously Presented)   The computer-readable medium of Claim 13, wherein each of the plurality of inventory transaction elements comprises a custom data element for defining customized attributes for the inventory transaction information.

21.   (Previously Presented)   The computer-readable medium of Claim 16, wherein the identifier data element comprises a product serial number or an item serial number.

22.   (Previously Presented)   The computer-readable medium of Claim 17, wherein the destination location data element comprises a destination bucket code element, which in turn comprises a destination inventory location identifier.

23.   (Previously Presented)   The computer-readable medium of Claim 17, wherein the source location data element comprises a source bucket code element, which in turn comprises a source inventory location identifier.

24.   (Previously Presented)   The computer-readable medium of Claim 19, wherein the related purchase order element comprises a purchase order element for defining purchase order elements that comprise:

       a common object row identifier element;

       a purchase order base data type element;

       a list of purchase order line item element; and

       a purchase order custom data element.

25.   (Previously Presented)   The computer-readable medium of Claim 24, wherein the purchase order base data type element comprises a purchase order number.

26.   (Previously Presented)   The computer-readable medium of Claim 24, wherein the list of purchase order line item element comprises a plurality of purchase order line items.

27.   (Previously Presented)   The computer-readable medium of Claim 26, wherein each of the plurality of purchase order line items comprises:

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a purchase order line item number identifier element;

a purchase order line item base data element; and

a purchase order line item custom data element.

28. (Previously Presented) The computer-readable medium of Claim 27, wherein the purchase order line item base data element comprises a purchase order line item number.

29. (Currently Amended) A **computerized inventory management** system, comprising:

~~a processor;~~

~~an interconnect coupled to the processor;~~

~~a computer-readable storage medium, coupled to the processor via the~~

~~interconnect,~~

an integration server comprising

a processor, and

a computer-readable storage medium,

the integration server is configured to be coupled to a plurality of inventory

systems,

the computer-readable storage medium ~~further comprising:~~ **comprises**

instructions, when executed by the processor, for synchronizing inventory

transaction information ~~of a~~ **within the** computerized inventory

management system ~~comprising a source computerized~~

~~inventory management system executing on a first computer~~

~~and a target computerized inventory management system~~

~~executing on a second computer~~, wherein

said instructions for synchronizing are configured to perform

bidirectional synchronization, and

said instructions for synchronizing comprise

instructions, when executed by the processor, for extracting

inventory information in a source format ~~that is~~

~~associated with the source computerized~~

~~inventory management system,~~ **wherein**

the source format is associated with a source

inventory system, and

the source inventory system is one of the

inventory systems;

instructions, when executed by the processor, for

converting the inventory transaction information in

the source format into inventory transaction

information ~~that is~~ in intermediate format;

instructions, when executed by the processor, for

converting the inventory transaction information in

the intermediate format into inventory transaction

information in a target format ~~that corresponds to~~

~~the target computerized inventory management~~

~~system,~~ **wherein**

the target format corresponds to a target

inventory system, and

the target inventory system is another of the

inventory systems; and

a data structure for managing inventory, the data structure comprising a list of

inventory transactions class with a hierarchy of data elements, wherein

the hierarchy of data elements comprises a plurality of inventory

transaction element, and

each of the plurality of inventory transaction elements is configured to

store the inventory transaction information in the intermediate

format.

30.   (Previously Presented) The data structure of Claim 29, wherein each of the

plurality of inventory transaction elements comprises:

an inventory transaction identifier;

a base data element for defining:

a transaction comments element;

a transaction date;

a transaction quantity of items;

a transaction time;

a transaction type code; and

a transaction unit of measure code;

a list of identifier data element for defining identifier data that is specific to a

product or item;

a location data element for defining a destination location data element and a

source location data element;

a related product element for defining a product or item identifier;

a related document data element for defining a related purchase order element;

and

a custom data element for defining customized attributes for the inventory

transaction information.

31.   (Previously Presented) The data structure of Claim 30, wherein:

the identifier data element comprises a product serial number or an item serial

number;

the destination location data element comprises a destination bucket code element

and a destination inventory location identifier element;

the source location data element comprises a source bucket code element and a

source inventory location identifier; and

the related purchase order element comprises a purchase order element for

defining purchase-order-type elements that comprise:

a common object row identifier element;

a purchase order base data element wherein the purchase order base data

element comprises a purchase order number;

a list of purchase order line item element, wherein the list of purchase

order line item element comprises a plurality of purchase order line

items; and

a purchase order custom data element.

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32.   (Previously Presented) The data structure of Claim 31, wherein each of the plurality of purchase order line items comprises:

      a purchase order line item number identifier element;

      a purchase order line item base data element; and

      a purchase order line item custom data element.

33.   (Previously Presented) The data structure of Claim 32, wherein the purchase order line item base data element comprises a purchase order line item number.